

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	578836	fiber or fibre	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:11
L2	17738	gyro or gyroscope or sagnac	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:11
L3	295073	feedback	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:11
L4	374	color noise	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:11
L5	10186	fly back or fly-back or flyback	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:12
L6	5191	dead band or dead-band or deadband	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:12
L7	712	1 with 2 and 3	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:04
L8	1	7 and 4	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:04
L9	23	7 and 5	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:10
L10	16	7 and 6	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:10
L11	773166	fiber or fibre	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/22 09:11
L12	14997	gyro or gyroscope or sagnac	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/22 09:11
L13	138813	feedback	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/22 09:11
L14	382	color noise	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/22 09:11
L15	8549	fly back or fly-back or flyback	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/22 09:12
L16	1530	dead band or dead-band or deadband	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/22 09:12
L17	5	11 and 12 and 13 and (14 or 15 or 16)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/22 09:12



fiber gyroscope feedback deadband

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Scholar

Results 1 - 8 of 8 for fiber gyroscope feedback deadband. (0.14 seconds)

### A Tactical Grade Depolarized Fiber Optic Gscope

G MECHANIZATION, T PROCEDURE - ieeexplore.ieee.org

... The **fiber** ring is joined to the two ports of the ... In addition to generating the **feedback** signal the com- puter ... The **gyroscope** was tested for one hour at each of ...

Web Search

### Agricultural vehicle navigation using multiple guidance sensors - group of 5 »

Q Zhang, JF Reid, N Noguchi - Proceedings of the International Conference on Field and ... - agri.wsu.edu

... **Fiber Optic Gyroscope** Sensor ... To compensate the error between the desired and the actual Ackerman angles, the **feedback** loop of this FPID controller ...

Cited by 6 - View as HTML - Web Search

### Where am I? Sensors and Methods for Mobile Robot Positioning - group of 13 »

J Borenstein, HR Everett, L Feng - University of Michigan, 1996 - eecs.umich.edu

... Very recently **fiber-optic** gyros (also called laser gyros), which are said ... These relatively inexpensive devices are well suited as velocity **feedback** sensors in ...

Cited by 83 - View as HTML - Web Search

### Clementine attitude determination and control system - group of 3 »

P DeLaHunt, S Gates, M Levenson, G Creamer - Journal of Spacecraft and Rockets, 1995 - pdf.aiaa.org

... because the dominant error became **gyroscope** noise ... One unit used inter- ferometric **fiber-optic** gyroscopes ... for this phase consisted of two **feedback** loops depicted ...

Cited by 4 - Web Search - BL Direct

### Control Technology Challenges for Gravitational Physics Experiments in Space

DB DeBra - pdf.aiaa.org

... testing the theory by the observation of a **gyroscope**. ... Chapman calculates that a fused silica **fiber** ring ... Active **feedback** may be in- troduced in interesting ways ...

Web Search

### DEVELOPMENT OF AN INEXPENSIVE GUIDANCE SYSTEM FOR AGRICULTURAL PURPOSES

GJ Nistala - 2006 - etd.lsu.edu

... hydraulic flow rate and the **feedback** gain were found to be the critical ... An RTK GPS was used for position information, a **fiber** optic **gyroscope** (FOG) and ...

View as HTML - Web Search

### The Syndicate Architecture and the DIstributed Robot Architectures (DIRA) Project

B Sellner, R Simmons - bacall.autonomy.ri.cmu.edu

... This allows distributed **feedback** / control loops to be constructed easily at whichever layer of abstraction is the most appropriate, and introduces a great ...

View as HTML - Web Search

### Design and optimization of Suspension Systems and Components

T Rølvåg - 129.241.63.76

... Figure 2 Coil spring 2.2.2 Leaf Springs A leaf spring is made of metal or **fiber**-reinforced plastic strips layered on top of one another. ...

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fiber gyroscope feedback flyback

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Scholar

Results 1 - 5 of 5 for **fiber gyroscope feedback flyback**. (0.08 seconds)**Closed-loop fiber-optic gyroscope with a sawtooth phase-modulated feedback - group of 4 »**

A EBBERG, G SCHIFFNER - Optics Letters, 1985 - ol.osa.org

... phase-modulated **feedback** ... 6, 1984; accepted March 8, 1985 Theoretical and experimental investigations of a closed-loop fiber-optic gyroscope are reported. ...Cited by 4 - Web Search**INTERFEROMET1UC FIBER-OPTIC GYROSCOPES: A SUMMARY OF PROGRESS**

P MODULATOR - ieeexplore.ieee.org

... 3.1 Princinle of Oneratinn In Figure 1, light is directed into the **fiber** loop to ...The closed-loop servo, on the other hand, uses a **feedback** loop to force the ...Web Search**STANDARD COMPASSATTITUDE AND HEADING REFERENCE SYSTEM (CIAHRS) UTILIZING FIBER OPTIC GYROSCOPES**

H Kent - ieeexplore.ieee.org

... light source and detector into the three **fiber** coils), the ... make up the rest of the **gyroscope** consist of ... Signal Processor (DSP) and a **feedback** correction signal ...Web Search**Multiplexing of fibre gyroscopes with square wave bias modulation - group of 4 »**

W Jin, B Culshaw - IEE PROCEEDINGS PART J OPTOELECTRONICS, 1993 - ieeexplore.ieee.org

... is then fed into each individual **gyroscope** which induces ... The **feedback** induced crosstalk is not so random in ... phase modulator may have finite **flyback** time, and ...Web Search - BL Direct**Optical Fiber Sensor Technology in Portugal - group of 2 »**AB RIBEIRO, J SANTOS, J BAPTISTA, L FERREIRA, F ... - **Fiber & Integrated Optics**, 2005 - Taylor & Francis... on the required measurement range and the level of **feedback** control signal ... in deepsea (based on Mach-Zehnder interferometers), the **fiber gyroscope** (relying on ...Web Search

fiber gyroscope feedback flyback

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## Scholar

Results 1 - 10 of about 71 for **fiber gyroscope feedback fly back** (0.09 seconds)Did you mean: **fiber gyroscope feedback flyback****Fiber loop reflectors - group of 4 »**

DB Mortimore - Journal of Lightwave Technology, 1988 - ieeexplore.ieee.org  
 ... and by conservation of energy all input light is reflected **back** along the ... at the required wavelength, there will be cou- pler excess loss, **fiber** loss, and ...  
[Cited by 86 - Web Search](#)

**[book] Fiber optic sensors**

FTS Yu, S Yin - 2002 - books.google.com  
 ... Page 13. Chapter 8 **Fiber Gyroscope** Sensors ... An optical **fiber** then carries the light with the environmentally impressed information **back** to an optical and/or ...  
[Cited by 11 - Web Search - Library Search](#)

**Visual servo system based on a biologically-inspired scanning sensor - group of 4 »**

S Viollet, N Franceschini - Proceedings of SPIE- The International Society for Optical ..., 1999 - laps.univ-mrs.fr  
 ... and the implementation of a visual **feedback** loop designed ... 100g, including the engines, scanning sensor, **gyroscope**, and the ... a 12 cm long carbon **fiber** shaft and ...  
[Cited by 11 - Web Search - BL Direct](#)

**Clementine attitude determination and control system - group of 3 »**

P DeLaHunt, S Gates, M Levenson, G Creamer - Journal of Spacecraft and Rockets, 1995 - pdf.aiaa.org  
 ... because the dominant error became **gyroscope** noise ... One unit used inter- ferometric **fiber-optic** gyroscopes ... for this phase consisted of two **feedback** loops depicted ...  
[Cited by 4 - Web Search - BL Direct](#)

**[book] Modern inertial technology**

A Lawrence - 1998 - books.google.com  
 ... Secondly, the Interferometric **Fiber** Optic **Gyroscope** (WOO) has become a ... Also, the Pendulous Integrating **Gyroscope** Accelerometer (PIGA), based on ... Binary **Feedback** ...  
[Cited by 94 - Web Search - Library Search](#)

**THE OMNIMATE: A GUIDEWIRE-FREE AGV FOR HIGHLY FLEXIBLE AUTOMATION - group of 4 »**

J Borenstein - eecs.umich.edu  
 ... Control and **feedback** signals to and from the trucks are passed through slip ... I: Technical specifications for the E- Core RD2100 **fiber-optics gyroscope** [KVH ...  
[View as HTML - Web Search](#)

**DSP-Copter-A Quadrotor Helicopter Controlled by a Digital Signal Processor**

L Klauske, T Lorenz, N Colberg, M Janke, U Monich, ... - ntife.ee.tu-berlin.de  
 ... However, in more developed versions, carbon **fiber** should be preferred. ... Actual **feedback**-control was done by the following tasks: Acceleration ... 5 Murata **Gyroscope** ...  
[View as HTML - Web Search](#)

**The Initiation and Control of Rapid Flight Maneuvers in Fruit Flies - group of 3 »**

MH Dickinson - Integrative and Comparative Biology, 2005 - icb.oxfordjournals.org  
 ... descending information with thoracic **feedback** takes place ... efferent control system of a fly's 'gyroscope'. ... **Fiber** ultrastructure and contraction kinetics in ...  
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**Full Text View - group of 2 »**



fiber gyroscope feedback color noise   Advanced Scholar Search  
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**Scholar**Results 1 - 10 of about 107 for **fiber gyroscope feedback color noise**. (0.07 seconds)**Color centers for tunable lasers in the near infrared region.**

R Astheimer, RA Bartolini, A Brunsting, JA Decker ... - ao.osa.org

... of the gain medium if the **feedback** beam is ... This patent describes a ring laser **gyroscope** incorporating a ... a laser gyro utilizing a passive **fiber-optic** resonator. ...[Web Search](#)**Broad-bandwidth shot-noise-limited class-A operation of a monomode semiconductor **fiber-based** ring ... - group of 2 »**

G Baili, M Alouini, C Moronvalle, D Dolfi, F ... - Opt Lett, 2006 - ol.osa.org

... was obtained with the use of two adequate filters and a **feedback** loop. ... 1. H. Lefèvre, The **Fiber-Optic Gyroscope** (Artech House, Boston, 1993). ...[Web Search](#)**KEY WORDS**

CCD Camera, C Camera, CL Free, C Methods, CI ... - Image - ieeexplore.ieee.org

... 52 Fault Management 159 Feature Extraction 912 **Feedback** Control 452 ... 58 Intelligent Vehicles 230,290 Interferometric **Fiber Optic Gyroscope** 1053 Machine ...[Web Search](#)**BJ Howell - group of 4 »**

R Panel - APPLIED OPTICS, 1990 - aoot.osa.org

... intensity sensor is used to produce a **feedback** signal to ... This patent describes a ring laser **gyroscope** with two ... is generated in the core of a **fiber** optic by ...[Web Search](#)**Reviewing Panel - group of 2 »**

DE Williamson, M Handschy - APPLIED OPTICS, 1993 - ao.osa.org

... The use of a scanning **fiber-optic** point source ... A **feedback** monitor is used to control the exposure ... negligible axial aberrations, distortion, and lateral **color**. ...[Web Search](#)**adjustable distribution of intensity and a pattern-transfer**

GD KHOE, RG GOSSINK, CMGJ Assigned, RA SPRAGUE, WD ... - APPLIED OPTICS, 1983 - ao.osa.org

... configuration of a laser optical-**fiber gyroscope** which utilizes ... split, counterpropagated through a **fiber-optic** coil ... This **feedback** into the laser near threshold ...[Web Search](#)**Miniature integrated optic Fabry-Perot slit interferometer - group of 5 »**

JG Farah - Proceedings of SPIE, 2003 - spie.org

... Phase **feedback** is done through the laser diode in ... 508, Two-**color** ratio pyrometer with optical **fiber** for ... dynamic-range sensing with an open loop **fiber gyroscope**. ...[Cached](#) - [Web Search](#)**SIG."EN**

TA LittonSystems, I Filed25Nov - SIGNAL - ao.osa.org

... 356-350) **Fiber-optic gyroscope** with depolarizers ... A **fiber-opticgyroscope**with a depolarizerinstallednearthe fibercoil anda ... the tip by a **feedback** circuit that ...[Web Search](#)**Fiber-optic rotation rate sensor having dual interferometer - group of 2 »**

RA Bartolini, A Brunsting, JA Decker Jr, G Dub, MD ... - aoot.osa.org



fiber gyroscope feedback rate dependent sinu:   Advanced Scholar Search  
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Scholar

Results 1 - 4 of 4 for **fiber gyroscope feedback rate dependent sinusoids**. (0.11 seconds)

[Modeling Inertial Sensors Errors Using Allan Variance](#)

H Hou - [geomatics.ucalgary.ca](#)

... Figure 5.10 MotionPak II Gyro X Allan Variance Sample Rate Test Result

.....113 ... FPS Foot per second FOG **Fiber-optic Gyroscope** ...

[View as HTML](#) - [Web Search](#)

[Robert Smith](#)

A Frost, P Probert - [The International Journal of Robotics Research](#), 1999 - [ingentaconnect.com](#)

... Each **gyroscope** contains both an angular **rate** sensor and a ... The voltage output from the  $i^{th}$  **gyroscope**,  $z_i$  ...  $b_i(\cdot)$  is a temperature ( $T$ ) **dependent** random bias ...

[Web Search](#)

[Development and Testing of a GPS-Augmented Multi-Sensor Vehicle Navigation System - group of 6](#)

» J Stephen, G Lachapelle - [Journal of Navigation](#), 2001 - [Cambridge Univ Press](#)

... Mechanical **rate** gyro On03m's Short life **Fiber-optic gyro** ... of the object, and  $\Omega$  is the angular rotation **rate** vector. ... side is used to drive a **feedback** loop that ...

[Cited by 10](#) - [Web Search](#) - [BL Direct](#)

[\[book\] Magnetic resonance spectroscopy in multiple sclerosis - group of 3](#) »

M Filippi, DL Arnold - 2001 - [books.google.com](#)

... determinants of the consequences of demyelina- tion that are **dependent** on fundamentals ... a specific molecular mechanism relating an appro- priate **rate** of firing ...

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